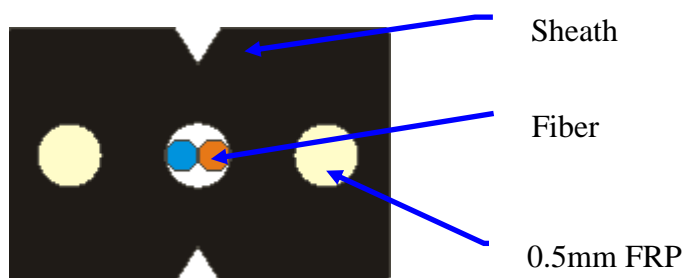


FTTH Indoor Cable – 1C-4C

Cable construction



Cable specifications

Model		GJXFH
Fiber Count		1 - 4
OD (mm)		$(2.0 \pm 0.2) \times (3.0 \pm 0.3)$
Nominal weight (kg/km)		8.5 ± 1
Max. tensile Strength (N)	Short-term	80
	Long-term	40
Max. crush resistance (N/100mm ²)	Short-term	1000
	Long-term	500
Min. bending radius (mm)	Short-term	20D
	Long-term	10D
Sheath material		LSZH, other material available on request
Color		According to contract
Strength member		FRP
Temperature range	Storage or transportation	-20~70°C
	Operation	-20~70°C

Applications

- Indoor horizontal and vertical cabling
- Cabling under carpet and along corner

Features

- Simple and convenient structure for indoor cabling

FTTH Indoor Cable – 1C-4C

- Good design to endure lateral crushing

Cable sheath marking

Printing at each 1M interval on the cable sheath

The standard printing contents are as below, alternative contents available on request

- Meter mark
- Cable model
- Fiber count
- Company/Brand name
- Manufacture month and year

Package

- Packed with wooden reel
- Option: Fumigated raw wood reel available at extra cost USD50 per reel

Delivery length

- 2KM/reel, other length available on request

Labelling of reel

Qualification certificate glued on side of reel with the following content

Alternative labelling content available on request

- Product specs (name)
- Order No.
- Part No.
- Inspection No.
- Length
- Inspection result
- Inspection date
- Net weight
- Gross weight
- Gross weight Volume
- Volume

Optical fiber technical parameters

G657A1

FTTH Indoor Cable – 1C-4C

Item	Unit	Requirement	
Geometrical characteristics			
Fiber		G657A1	
Mode field diameter(1310nm wavelength)	μm	8.4-9.6	
Cladding diameter	μm	125.0 \pm 0.7	
Core concentricity error	μm	\leq 0.5	
Cladding non-circularity	%	\leq 1	
Coating diameter	μm	245 \pm 10	
Coating-cladding concentricity error	μm	\leq 12.5	
Transmission characteristics			
Fiber cut-off wavelength	nm	\leq 1260	
Attenuation	Wavelength 1310nm~1625nm	dB/km	\leq 0.4
	wavelength 1550nm	dB/km	\leq 0.3
Macro-bending Loss radius:20mm,1 circle	wavelength 1550nm	dB	\leq 0.75
	wavelength 1625nm	dB	\leq 1.5
Zero-dispersion slope	$\text{ps}/(\text{nm}^2 \cdot \text{km})$	\leq 0.092	
Polarization mode dispersion	$\text{Ps}/\text{km}^{1/2}$	\leq 0.2	
Mechanism characteristics			
Proof test value	GPa	0.69	
Dynamic fatigue parameter	/	\geq 20	
Other parameter meet standard		ITU-T G.657	